Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/08/2021 08:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124475	-1	1.62	124390	1.67
Blue	F	SSC	125000	124476	-1	2.58	124855	2.50
Blue	E	FITC	13131	12597	-5	2.67	291	15.26
Blue	D	PE	24112	23548	-3	2.15	539	10.59
Blue	B	PerCP-Cy5-5	31295	30822	-2	3.38	1019	14.54
Blue	A	PE-Cy7	19939	19845	-1	5.41	532	28.62
Red	C	APC	42122	41772	-1	2.76	1751	11.26
Red	A	APC-Cy7	22340	21862	-3	3.16	820	11.35
Violet	B	V450	7410	7097	-5	3.43	430	12.61
Violet	A	V500	28118	27262	-4	2.98	682	9.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22656	2.11	578	9	N/A	N/A	Pass
Blue	F	SSC	58112	1.30	517	5	N/A	N/A	Pass
Blue	E	FITC	54	50.72	483	-4	0.0412	0	Pass
Blue	D	PE	114	37.06	486	-2	0.4929	391	Pass
Blue	B	PerCP-Cy5-5	189	34.56	583	-3	0.0197	16	Pass
Blue	A	PE-Cy7	104	67.02	626	-2	0.0227	0	Pass
Red	C	APC	407	23.29	578	2	0.0281	140	Pass
Red	A	APC-Cy7	184	26.69	553	2	0.0066	1016	Pass
Violet	B	V450	61	62.00	453	0	0.0555	1941	Pass
Violet	A	V500	98	36.65	465	0	0.0268	1291	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.48	-31.32	1.11
Blue	20.36	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.81	13.60 - 20.40	N/A	N/A	29.69	29.93	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13951

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments